

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1963AIQ#PBF

(Engineering Calculation)

DOPAK

(printed on: 2014-01-19 22:27:06)

TOTAL MASS (g): 1.398345

COMPONENT MATERIAL	VENDOR/INDUSTRY NAMES	CONSTITUENT NAME	CAS NUMBER	CONSTITUENT MASS (g)	CONSTITUENT (PPM) OF MATERIAL	CONSTITUENT (PPM) OF TOTAL PKG.		
Active Device	Linear Technology	Silicon (Si)	7440-21-3	0.002006	1000000	2145.0838789		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.852419	998500	609591.3125		
		Iron (Fe)	7439-89-6	0.000000	0	0		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-95-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.001281	1500	916.082885742		
			Lead Frame Total:		0.853700	1000000	610607.375	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.009978	1000000	7135.73339844		
			External Plating Total:		0.009978	1000000	7135.73339844	
		Inter. Plating Ni	7440-02-0	0.004000	740740.75	2860.52416992		
		Inter. Plating Ag	7440-22-4	0.001400	259259.265625	1001.18341064		
			Internal Plating Total:		0.005400	1000000	3861.70751953	
Die Attach	95Pb / 5 Sn	Silver (Ag)	7440-22-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000080	50000	57.210483351		
		Lead (Pb)	7439-92-1	0.001512	950000	1081.27807617		
		Silica (SiO2)	60676-86-0	0.000000	0	0		
		Indium (In)	7440-74-6	0.000000	0	0		
		Metal Oxide		0.000000	0	0		
		Antimony (Sb)	7440-36-0	0.000000	0	0		
		Resin (EP)		0.000000	0	0		
			Die Attach Total:		0.001992	1000000	1138.08864746	
		Encapsulation	MULTI-AROMATIC RESIN (BIS) FREE	Resin (EP)		0.531704	1030000	38405.3984375
				Bromine (Br)	40039-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.466653	895000	333718.03125		
Antimony Trisulfide (Sb2S3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.001043	2000	745.881713867		
	Encapsulation Total:				0.521400	1000000	372809.3125	
Bond Wire Estimated	AFW/TANAKA/Ko	Gold (Au)	7440-57-5	0.001988	1000000	1421.08054199		

TOTAL MASS (g):

1.398345